Admin Tool

Net Camera & Net Transmitter administration software

Preliminary Docu

User's Manual

Software Version : 4.40

Important Notice

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- This is a preliminary version document
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Preliminary Document

Notice

TE3xx : Web Camera Engine

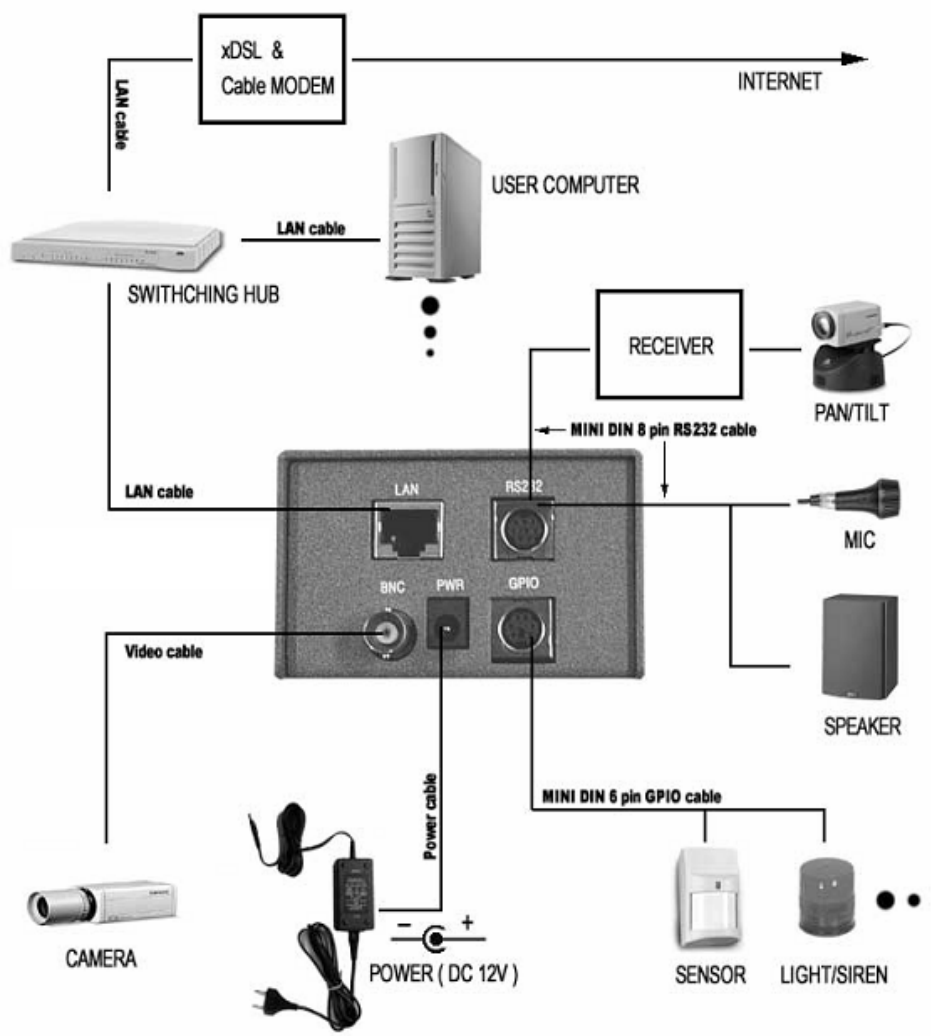
Net Cam : Network Camera

Net TX : Network Transmitter

1. Installation

1) Connecting Power

- Connect the power(12V DC) to Net Cam & Net TX
- Connect a PC and a Transmitter with a Cross Cable (PC to PC, Blue cable that is supplied).
- In case of using Hub, use straight cable (PC to Hub, Orange cable that is supplied).



<Diagram: Connecting TE3xx to PC, Power and the peripherals>

2. Basic Network Circumstance setting

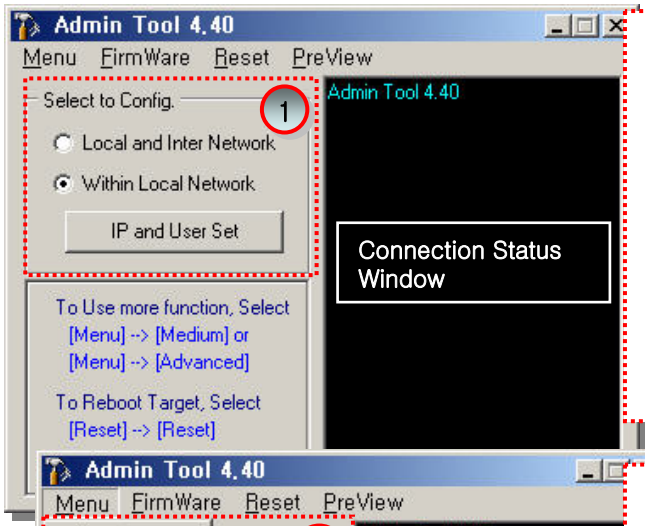
1) Important!!

- Set the IP address of user's PC to one that is within the same network with the camera. (Ex : 192.168.1.xxx)

2) To change the camera's IP address or user setting, run "Admin_Tool4.40.exe".

- Click [Start]→[Program]→[WebCamViewer1.45b]→ [Admin Tool4.40].

3. Main Window of Admin Tool 4.40

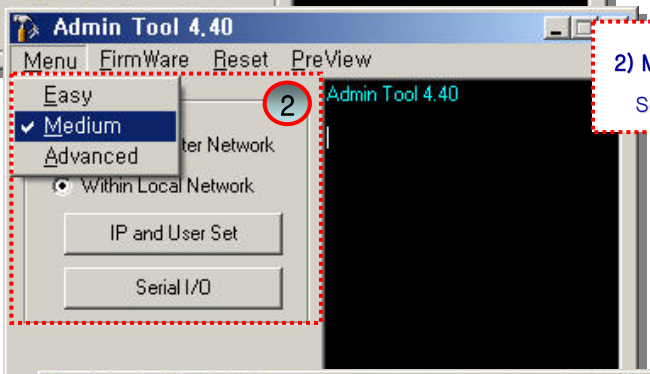


1) Easy Mode

Local and Inter Network : Connects to local or inter network camera by inputting the address directly (When user knows the IP address of cameras)

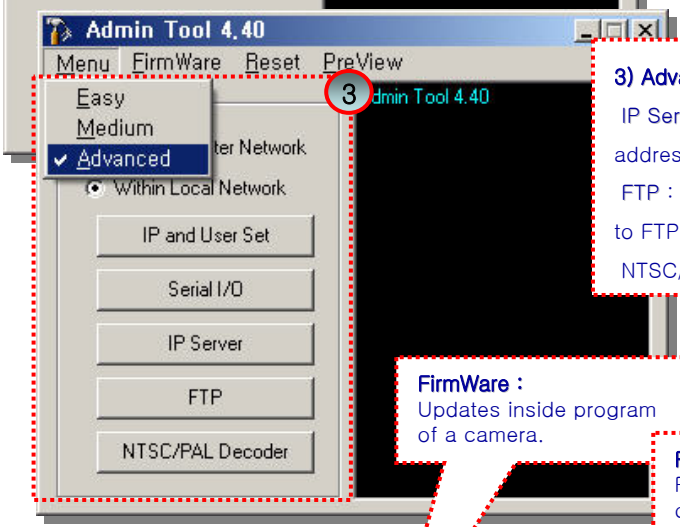
Within Local Network : Finds all cameras within the network automatically (When user doesn't know the IP address of cameras)

IP and User Set : Sets IP addresses of cameras or access right, etc..



2) Medium Mode (Easy Mode + @)

Serial I/O : Sets the speed of the camera's RS323 / 485.



3) Advanced Mode (Medium Mode + @)

IP Server : Sets the address of the server to get IP address of the camera in dynamic IP circumstance.

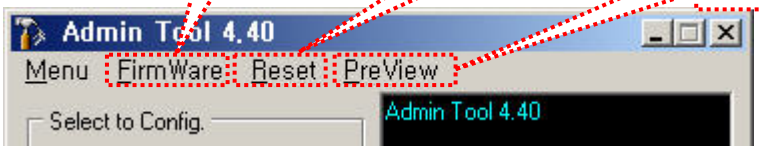
FTP : Sets the schedule to save the video to FTP server.

NTSC/PAL Decoder : Adjusts image of camera.

FirmWare : Updates inside program of a camera.

Reset : Resets a selected camera.

Preview : Allows preview with changed setting.

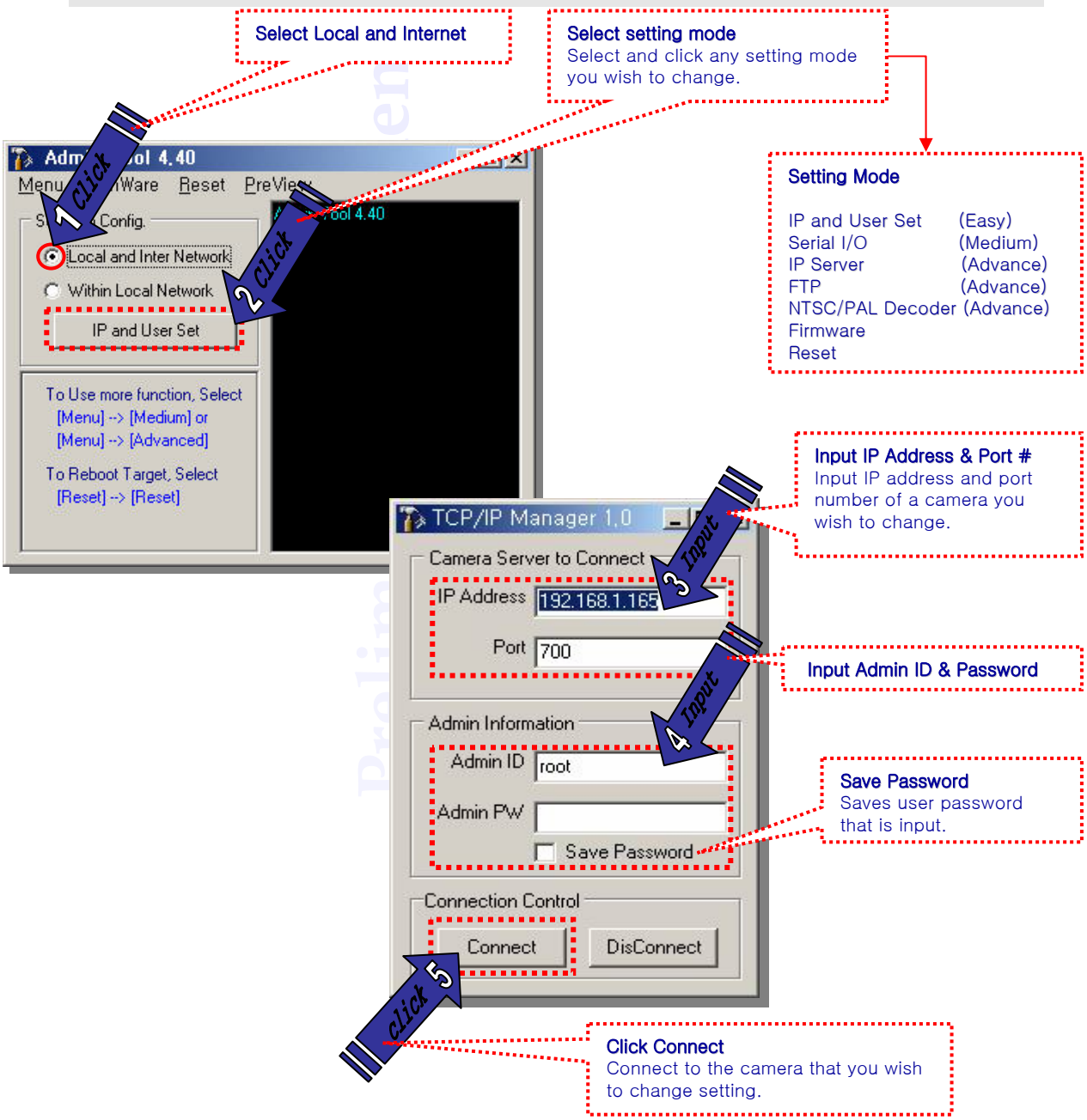


4. Connecting to Net Cam & Net TX

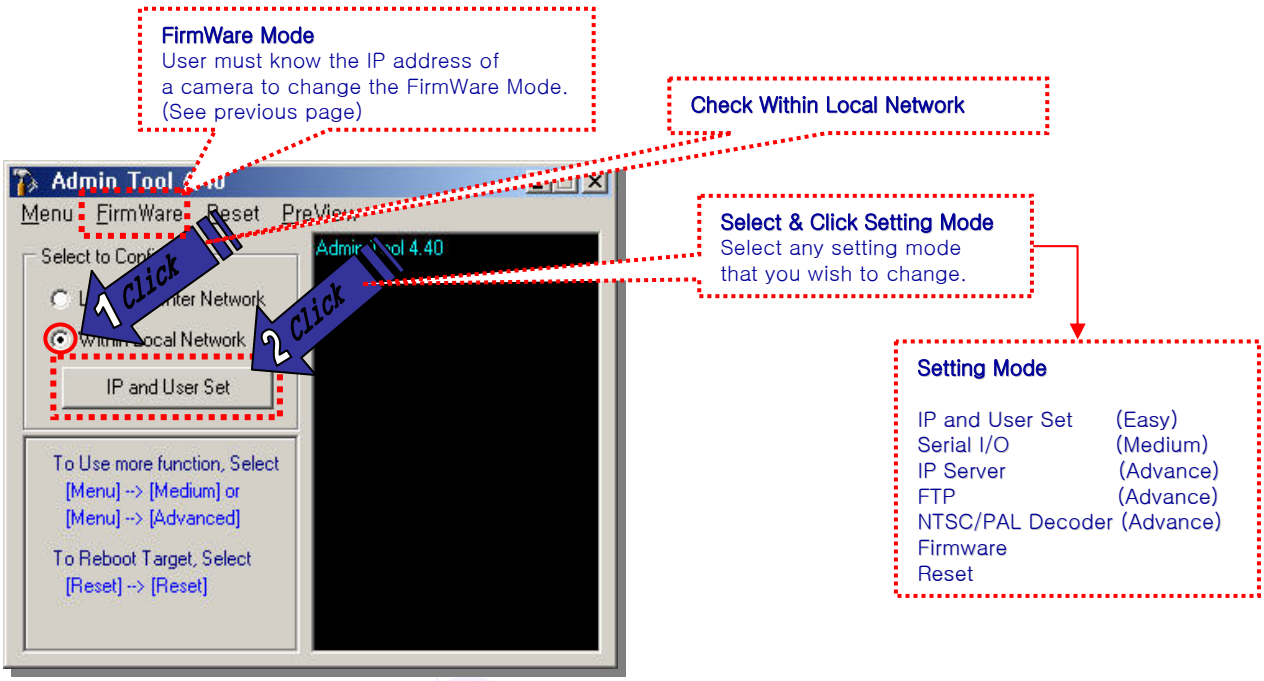
1) Run " Admin_Tool4.40.exe ".

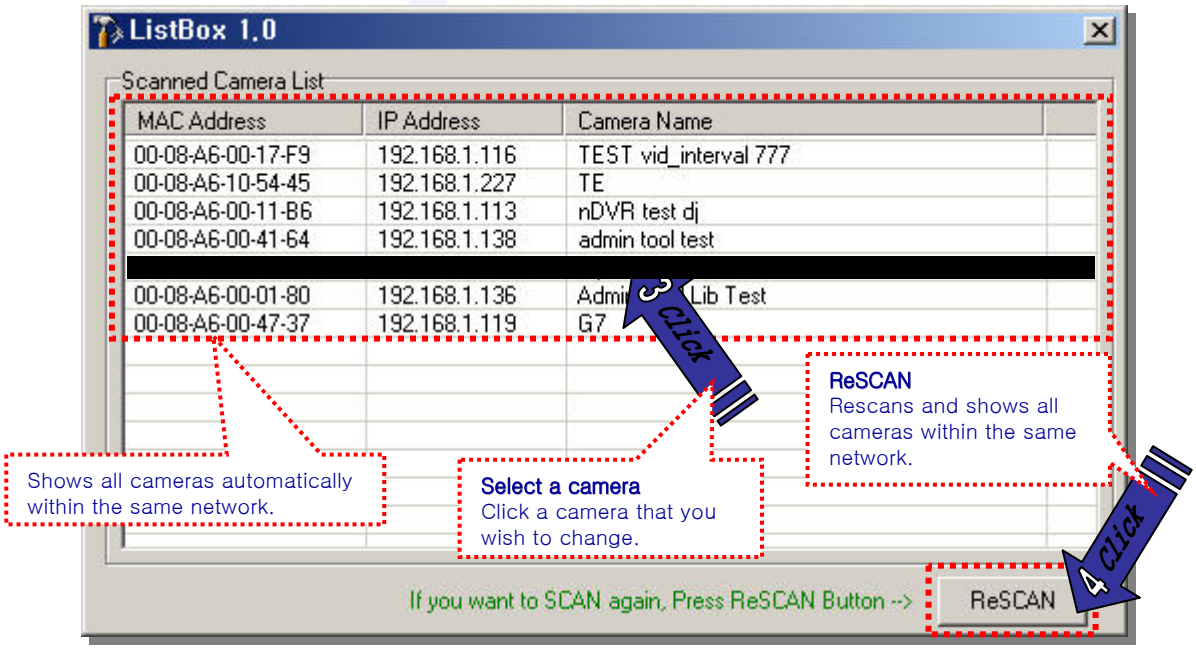
2) Directions to connect to cameras
- Changing the IP address of a local or inter network camera (When user knows the IP address of a camera)
- Changing the IP address of a local camera (When user doesn't know the IP address of a camera)

Changing the IP address or other setting of a local or inter network camera (When user knows the IP address of a camera)



Changing the IP address or other settings of a local camera (when user doesn't know the IP address of a camera)





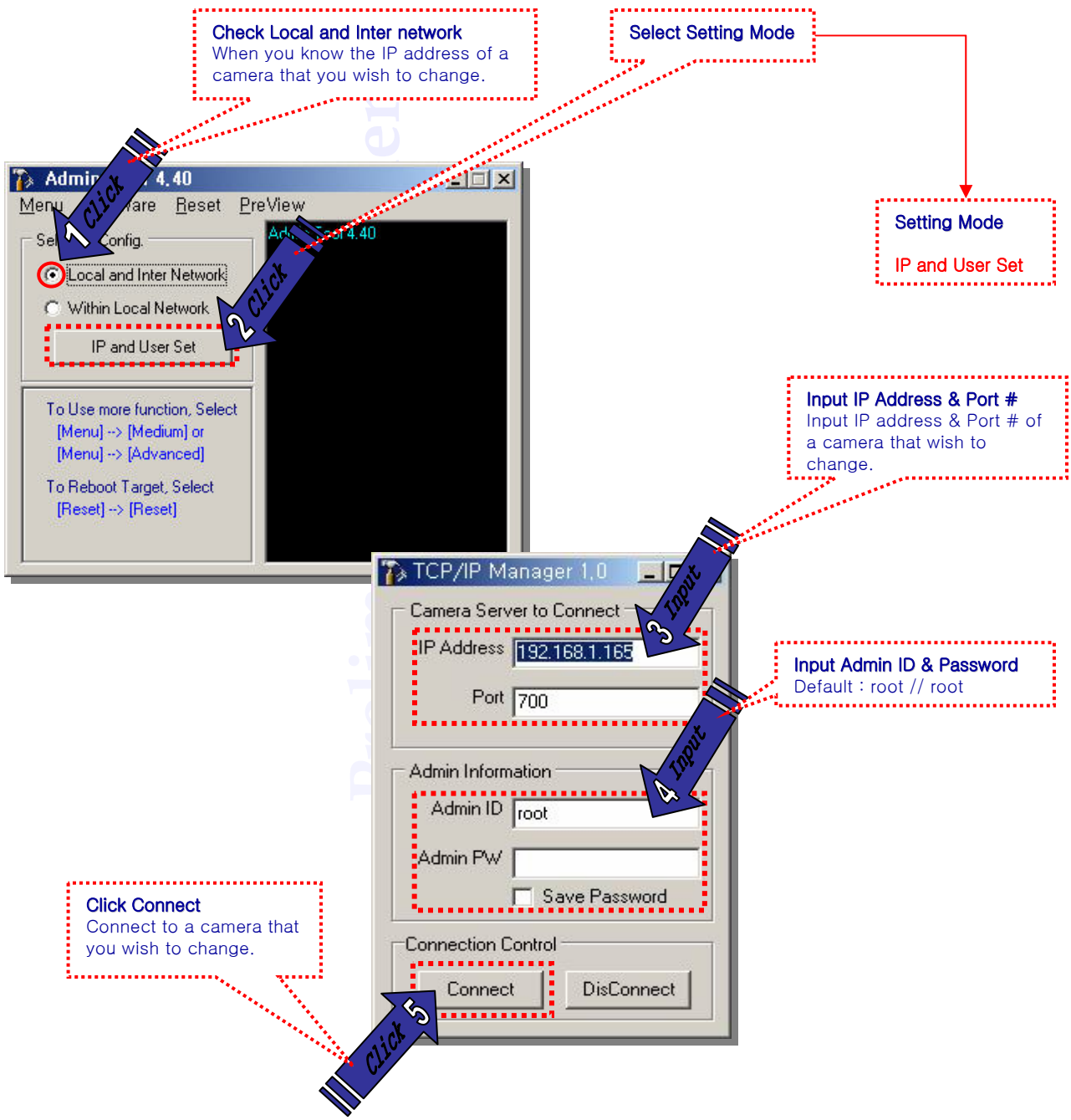
5. Setting IP address of a Net Cam & Net TX – sets/changes the IP address of a Net Cam & Net TX

1) Run " Admin_Tool4.40.exe "

2) See page 5&6 to know how to connect to Net Cam & Net TX.

Changing the IP address or other settings of a local & inter network camera (With IP address)

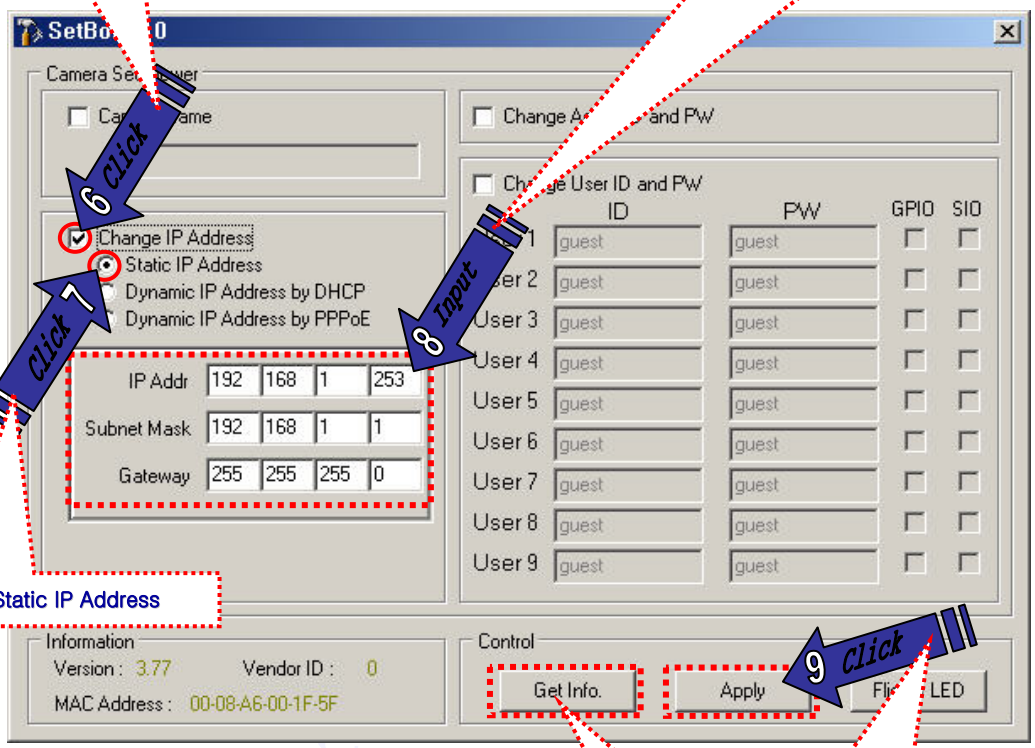
Changing the IP address or other settings of a local & inter network camera (Without IP address)



Setting Static IP – continued from page 7

Check Change IP Address

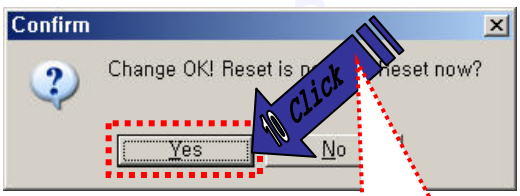
Input the IP address & subnetmask & Gateway address
Input the IP & Gateway address & subnetmask that you wish to change.



Check Static IP Address

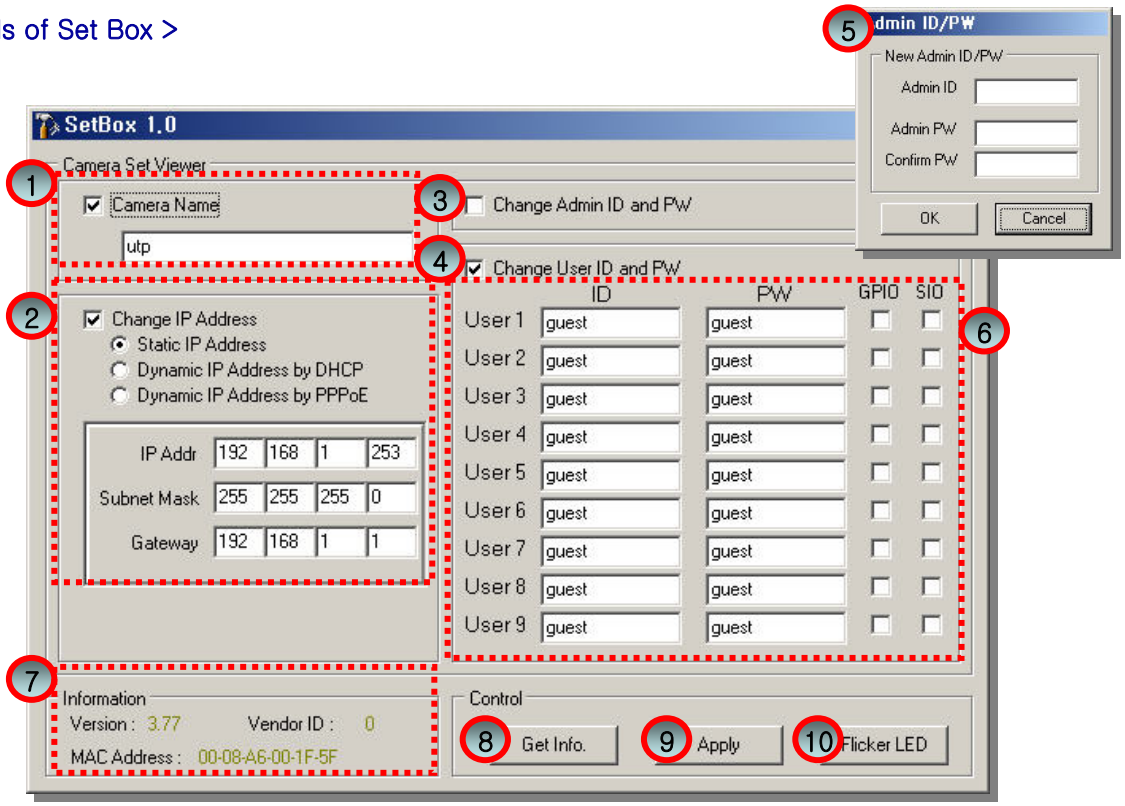
Click "Apply" button
Applies changed settings.

※ Get Detail Information
Gets basic information automatically when you connect to camera.
Use this button to get information of camera that you are connoted, when you input wrong information while you changing the setting.



Click "Yes"
Resets camera as changed.

< Details of Set Box >



< Set Box Screen >

1. Camera Name

Camera Name : Input a camera name that user wish to use.

2. Change IP Address

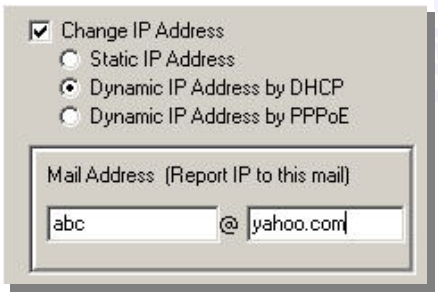
Input IP address of a camera.

[Static IP Address] – Set a camera with static IP address.

IP Addr : Input/Change IP address of a camera.

SubNetMask : Input SubNetMask Ex) 255.255.255.0.

Gateway : Input/Change address of network Gateway.



[Dynamic IP Address by DHCP]

– Sets a camera with dynamic IP address.

Mail Address : Input e-mail address to get IP info. of a camera.

(To confirm the IP address that is given to a camera.)

ex) Sample mail

from: virtual_camera@mailserver.com

title : Web Camera IP Notifier from Net Cam1

Message :

< Camera IP Notifier >

```
==================================
>> Camera Name : Net Cam1
>> Camera IP : 61.254.28.162
==================================
```

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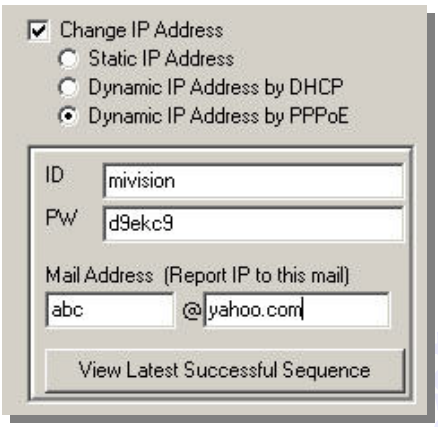

[Dynamic IP Address by PPPoE]

- Sets a camera with dynamic address using ADSL.
  ID/PW : Input ID&PW to connect to ADSL.
  Mail Address : Input e-mail address to get IP info. of a camera.
  (To confirm the IP address that is given to a camera)

ex) Sample Mail
from: virtual_camera@mailserver.com
title : Web Camera IP Notifier from Net Cam1
Message :

< Camera IP Notifier >

==========
>> Camera Name : Net Cam1
>> Camera IP : 61.254.28.162
==========

Notice

Mail server of the mail address that you input should support SMTP.

3. Change Admin ID and PW

Inputs/Changes ID & Password of Administrator. (by checking the box, you can changes the Admin ID & Password.)

4. Change User ID and PW

Inputs/Changes user's ID & Password. (by checking the box. You can change each user's ID & Password.)

5. Admin ID and PW

Appears when you check the "change Admin ID and PW" check box.
Changes administrator's ID & PW.

6. User ID and PW / GIPO, SIO

User : Inputs/Modifies each user's ID & PW.
GPIO / SIO (GPIO : D/O1,2 control right, SIO : Pan/Tilt control right)
: Gives each user access right for each feature.
@ Administrator can access any features without being given of access right.

7. Information

Version : Shows the version of FirmWare inside of a camera. (Auto-updated, by upgrading FirmWare)
Vender ID : The number that is given by MI to Partner companies. (can't be modified)
MAC Address : The unique number that NIC (Network Interface Card) has. (Can't be modifies)

8. Get Detail Info.

Gets basic information of a connected camera automatically.
Used when user need to get information of connected camera, since user inputs wrong information while changing setting.

9. Apply

Applies changes settings.

10. Flicker LED

Lets LED (Back side of a camera, Yellow) blink. (Shows which camera you are working on..)

Notice

The firmware which is supplied now (Dec, 2003) is version 4.01.

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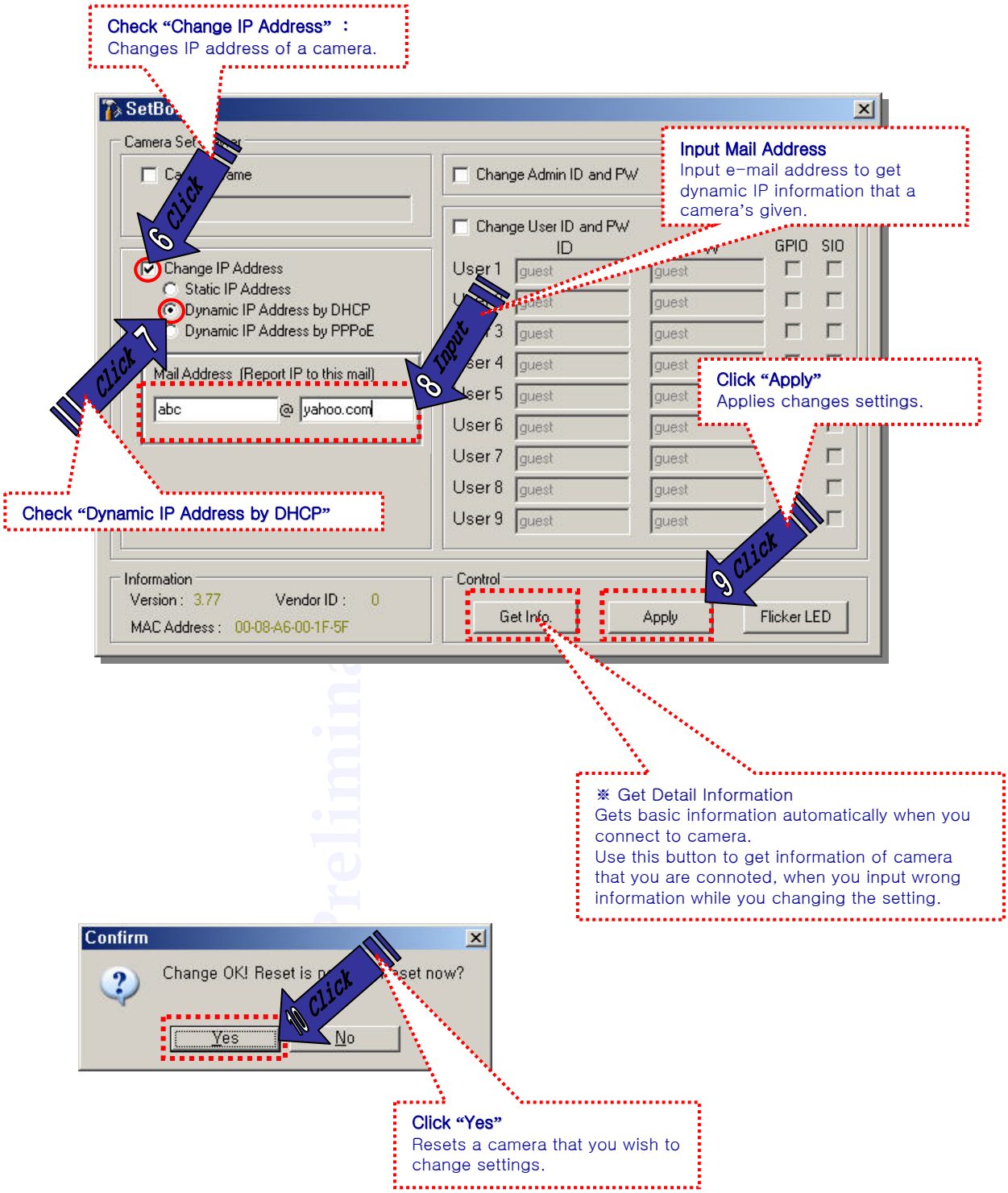
DHCP (Dynamic IP) Setting – continued from page 6



How the dynamic IP works – Mail server sends the dynamic IP information to mail address which is set in a camera.

Net Cam Web Camera

Net TX Web Transmitter

3 E-Mail

2 DHCP server gives web camera a dynamic IP.

Mail Server

INTERNET

DHCP Server

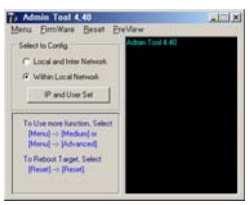
4

5

Hook up internet line to a camera with dynamic IP.

User Computer

1 Set web camera with dynamic IP



Admin_Tool4.40

WMC

WM16CH

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6. Set ID/PW or Control Right for users of Net Cam & Net TX

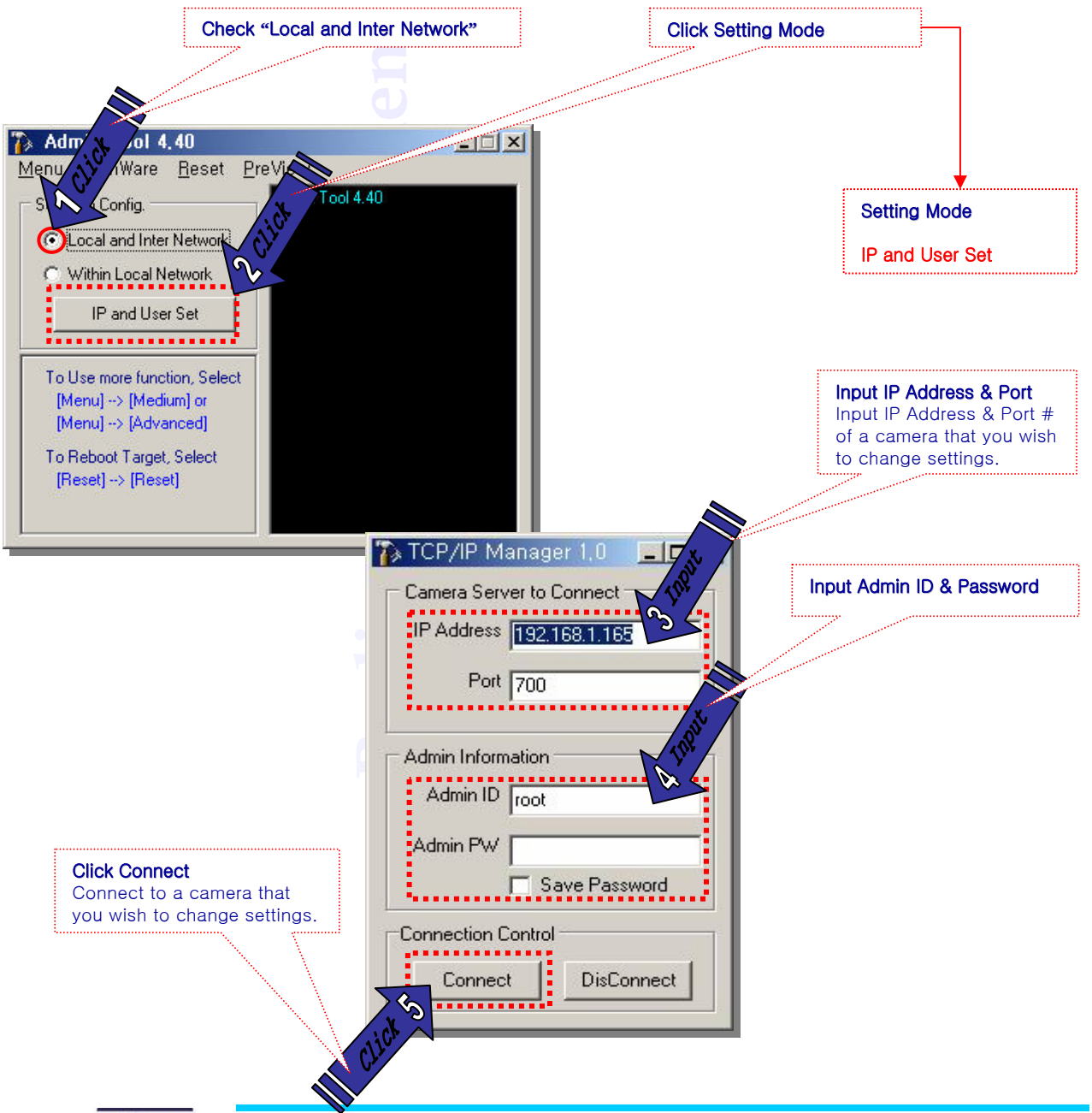
- Changes user's ID/Password or control rights for Pan/Tilt or D/O.

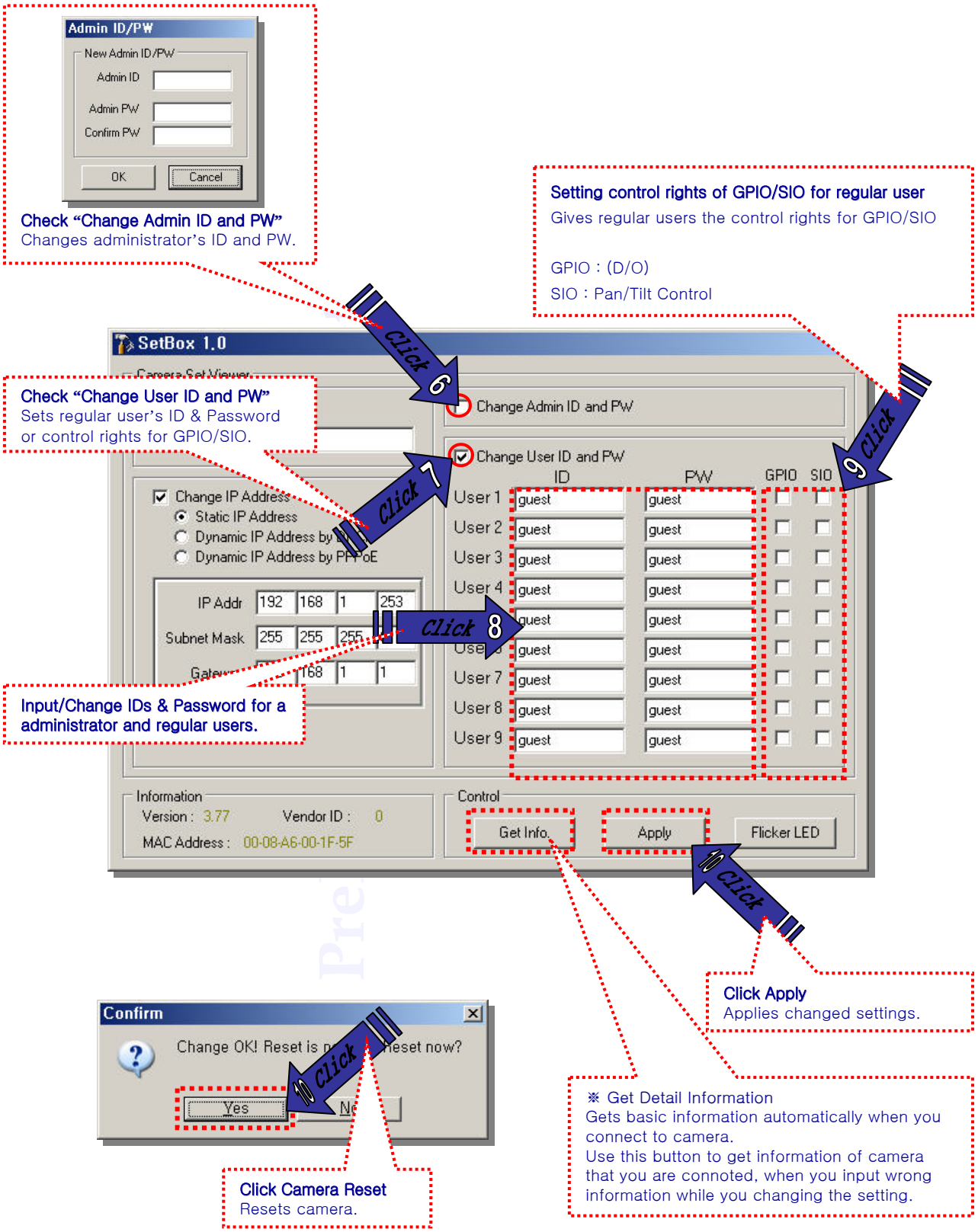
1) Run " Admin_Tool4.34.exe ".

2) See page 5 to know how to connect to cameras.

Changing IP address or other settings of a local or inter network camera (With IP address)

Changing IP address or other settings of a local or inter network camera (Without IP address)




Admin ID/PW
New Admin ID/PW
Admin ID
Admin PW
Confirm PW
OK
Cancel
Check "Change Admin ID and PW"
Changes administrator's ID and PW.
Setting control rights of GPIO/SIO for regular user
Gives regular users the control rights for GPIO/SIO
GPIO : (D/O)
SIO : Pan/Tilt Control
SetBox 1.0
Change Admin ID and PW
Change User ID and PW
ID
PW
GPIO
SIO
User 1
User 2
User 3
User 4
User 5
User 6
User 7
User 8
User 9
guest
Change IP Address
Static IP Address
Dynamic IP Address by
Dynamic IP Address by PPPoE
IP Addr
Subnet Mask
192
168
1
253
255
Check "Change User ID and PW"
Sets regular user's ID & Password
or control rights for GPIO/SIO.
Input/Change IDs & Password for a
administrator and regular users.
Information
Version : 3.77
Vendor ID : 0
MAC Address : 00-08-A6-00-1F-5F
Control
Get Info
Apply
Flicker LED
Click 6
Click 7
Click 8
Click 9
Click 10
Click 10
Confirm
Change OK! Reset is
eset now?
Yes
Click Camera Reset
Resets camera.
Click Apply
Applies changed settings.
※ Get Detail Information
Gets basic information automatically when you
connect to camera.
Use this button to get information of camera
that you are connoted, when you input wrong
information while you changing the setting.

7. Video Setting for Net Cam & Net TX

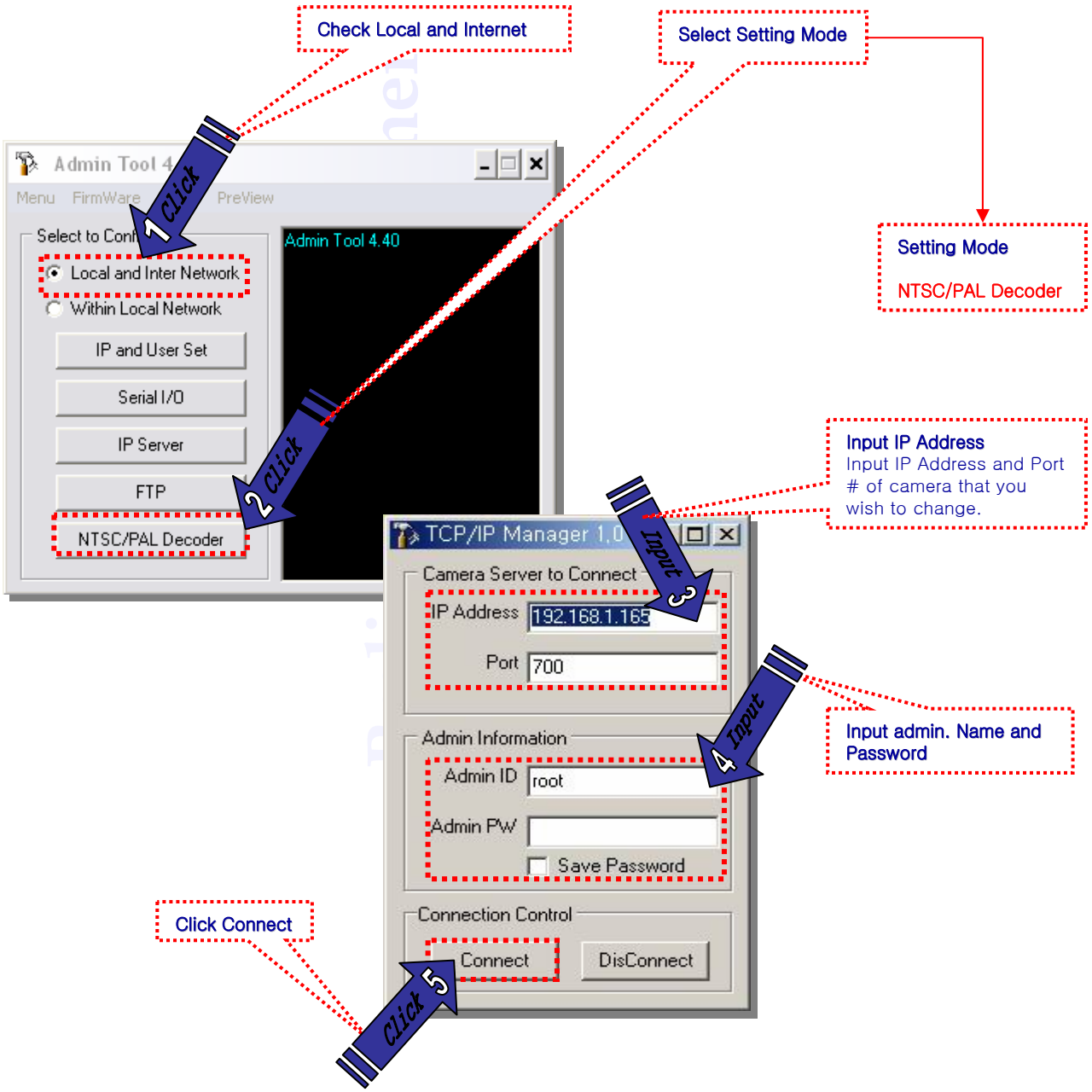
- Changes FPS (Frames per Second), Resolution and etc. of Net Cam/Net TX.

1) Run "Admin_Tool4.40.exe ".

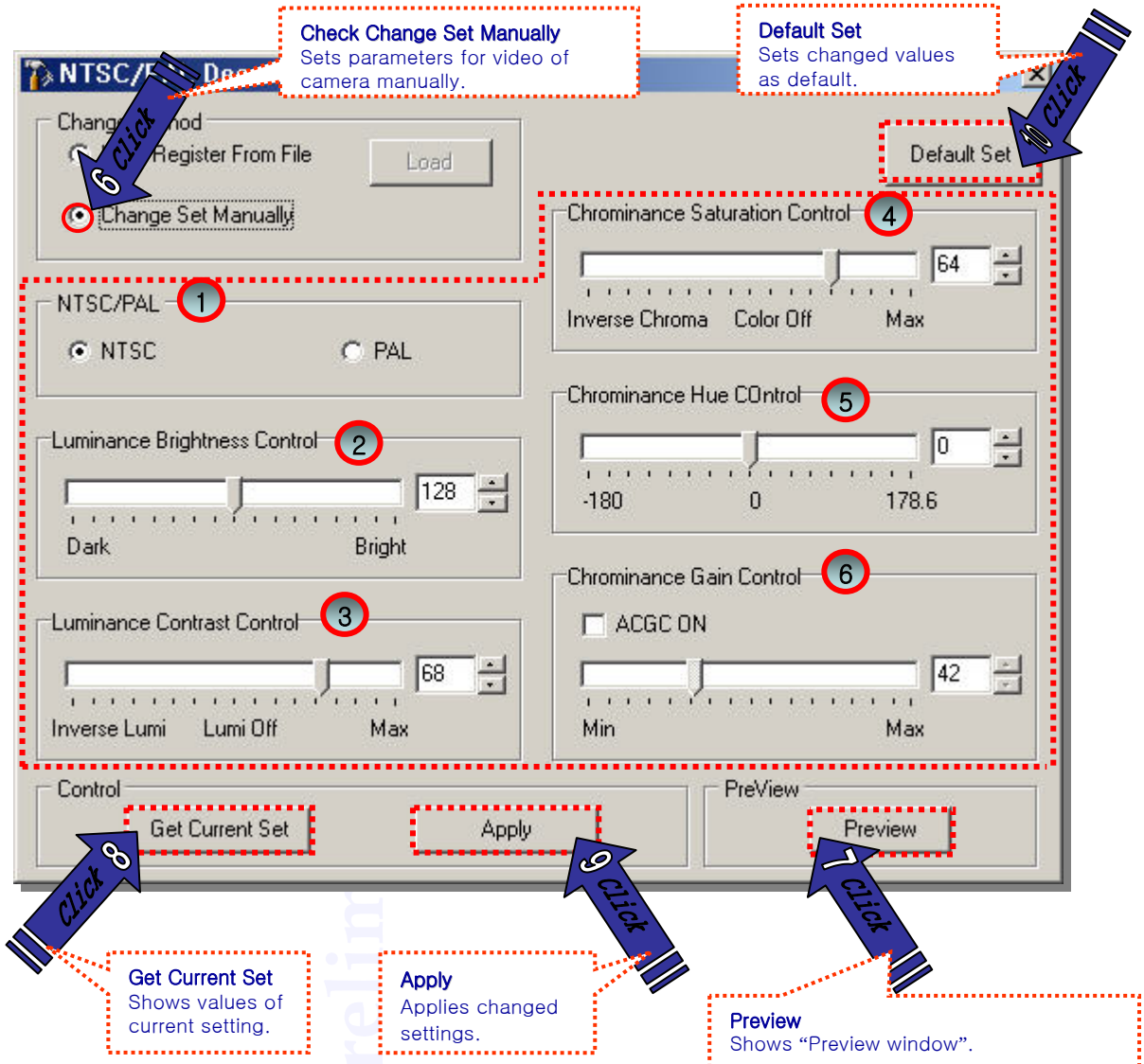
2) See page 5 "Connecting to Net Cam & Net TX"

Changing IP addresses of local or inter network cameras and other settings (with IP address)

Changing IP addresses of local or inter network cameras and other settings (without IP address)

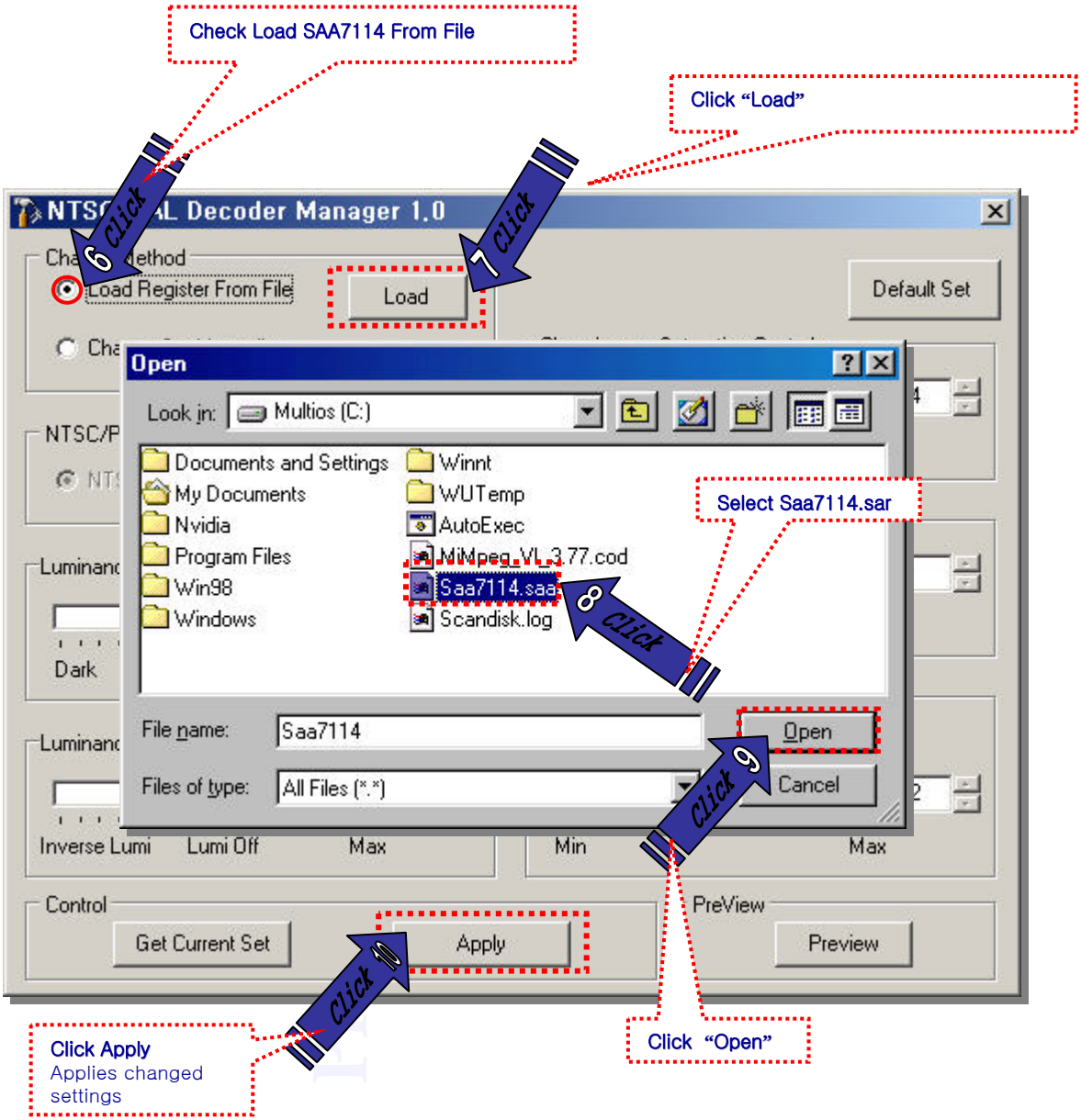


SAA7114 Setting (Setting manually – User direct control)



1. **NTSC / PAL –** Configure Image type (NTSC / PAL)
2. **Luminance Brightness Control –** Control luminance brightness.
3. **Luminance Contrast Control –** Control luminance contrast.
4. **Chrominance Saturation Control –** Control chrominance saturation.
5. **Chrominance Hue Control –** Control chrominance hue.
6. **Chrominance Gain Control –** Control chrominance gain.

SAA7114 Setting (Set SAR file load)



Notice

Visit our home page (Partner Support) to download SAR file .
http://www.avidacom.com

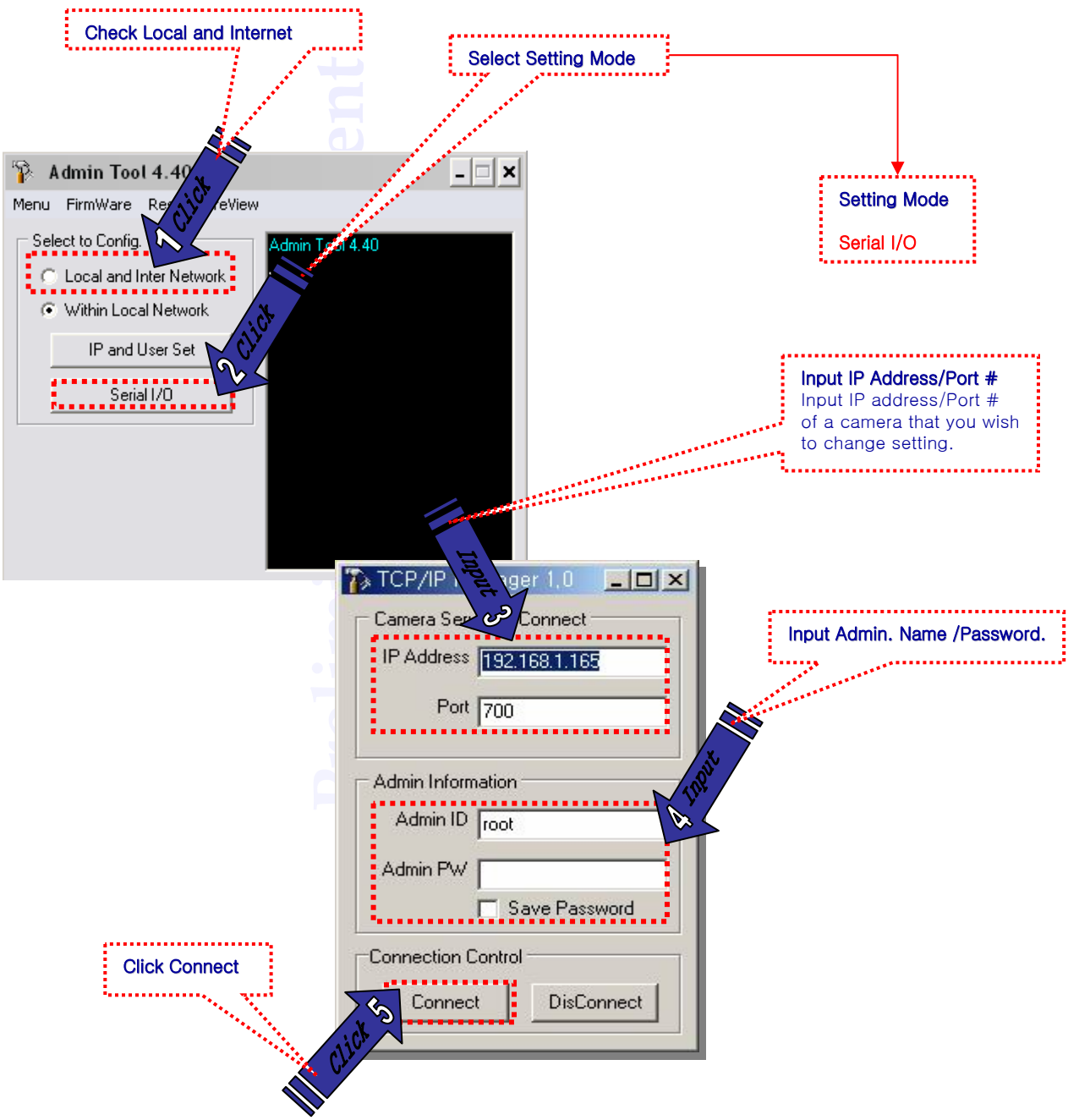
8. I/O Setting of Net Cam & Net TX – sets/changes I/O of Net Cam/Net TX

1) Run " Admin_Tool4.34.exe "

2) See page 5 for "Connecting to Net Cam & Net TX"

Changing IP address or other settings of a local/inter network camera. (with IP)

Changing IP address or other settings of a local/inter network camera (without IP)

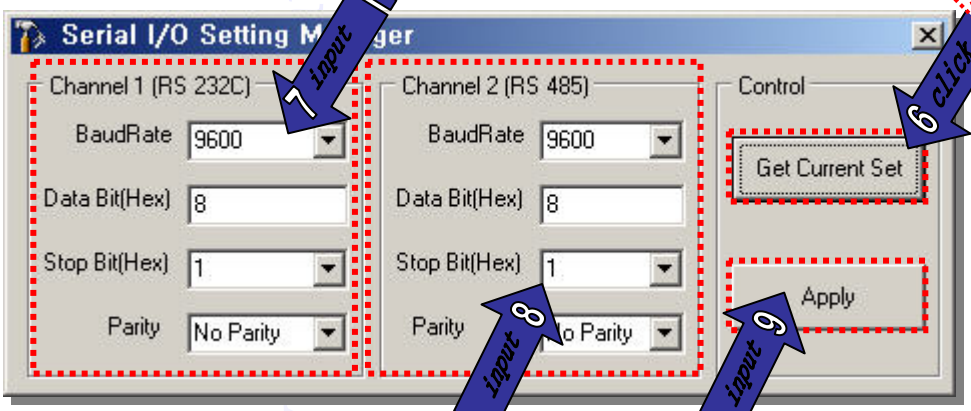


EXAMPLE OF communication setting with receiver (COM-422 receiver)

RS 232C setting
Setting RS-232 communication process.

BaudRate : 2400
Data Bit[Hex] : 8
Stop Bit[Hex] : 1
Parity : No Parity

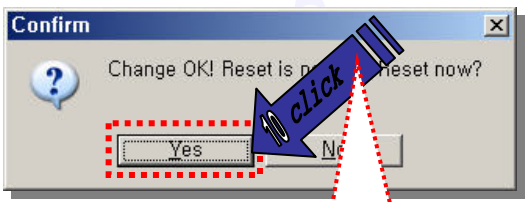
Click Get Current Set
Display existing camera setting.



RS 485 setting
Setting RS-485 communication process

BaudRate : 2400
Data Bit[Hex] : 8
Stop Bit[Hex] : 1
Parity : No Parity

Click Apply
Apply modified details.



Click Camera Reset
Reset camera.

▶Receiver and Speed-Doom products supported by WCV software

Name	Manufacturer	Communication	Way of Control	explanation	Origin
Com-Dome	SIT	19200-8-N-1	RS-485		KOREA
Com-422	COMINS	2400-8-N-1	RS-485		KOREA
VICON	VICON	4800-8-N-1	RS-485		USA
Honeywell	Honeywell	9600-8-N-1	RS-232	GC755 Camera	USA
NewBorn	NewBorn	9600-8-N-1	RS-485	RX integrated Type	KOREA
Pelco	Pelco	9600-8-N-1	RS-485		USA
Pelcon	Pelcon	2400-8-N-1	RS-485		CHINA
VICON-China	VICON-China	4800-8-N-1	RS-485		CHINA
SharpEye	SharpEye	2400-8-N-1	RS-485		CHINA
V1200	VICANYX	9600-8-N-1	RS-485		CHINA
LGT-A100L	LG	9600-8-N-1	RS-485		KOREA

Notice

User should set after refer to above information and check receiver/speed Doom which connected Net Cam Web Camera & Net TX Web Transmitter

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9. Net Cam & Net TX & ADSL(DHCP) Connection setting – Set, change for Net Cam & ADSL connection of Net TX

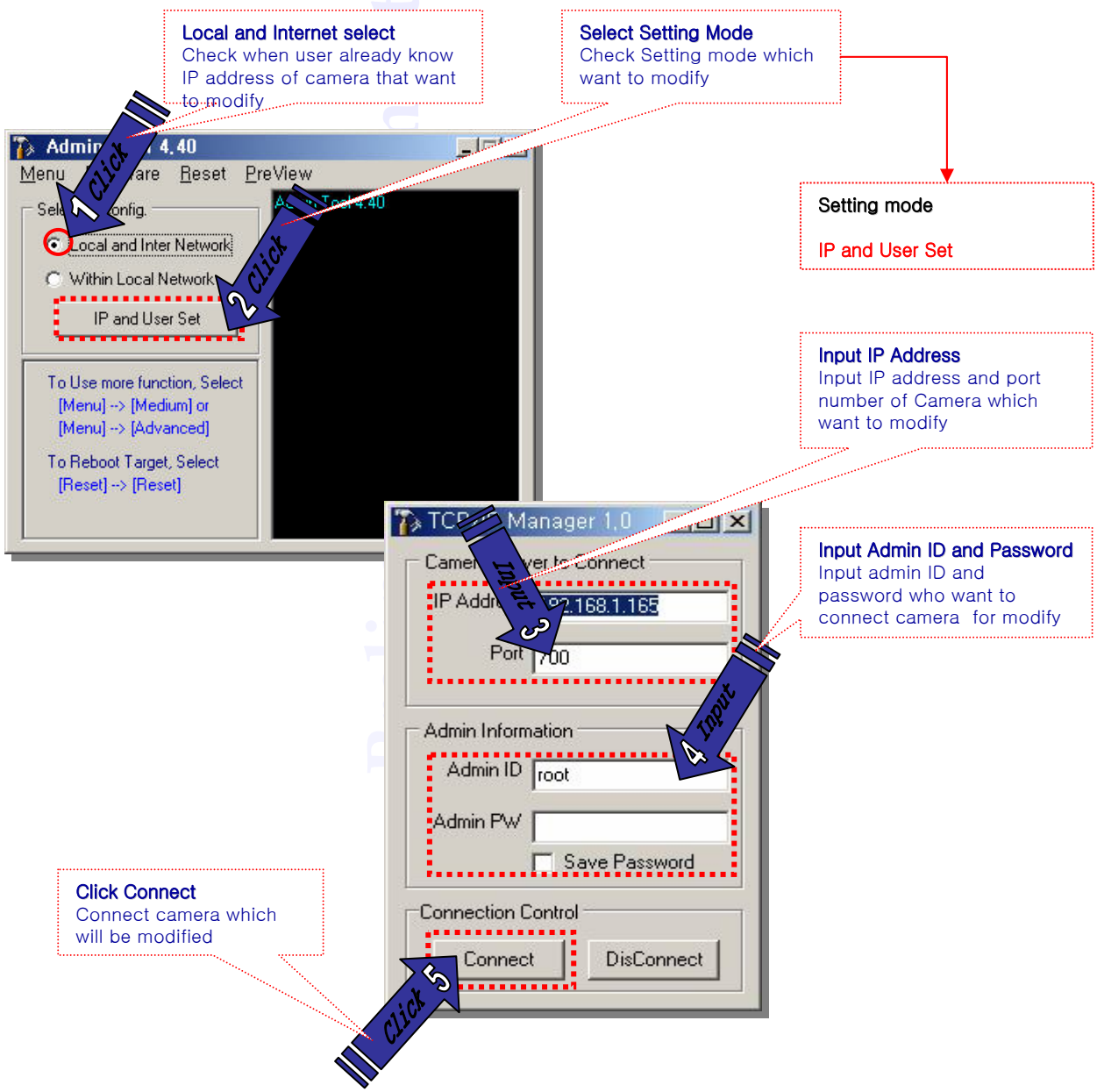
1) Run " Admin_Tool4.40.exe " .

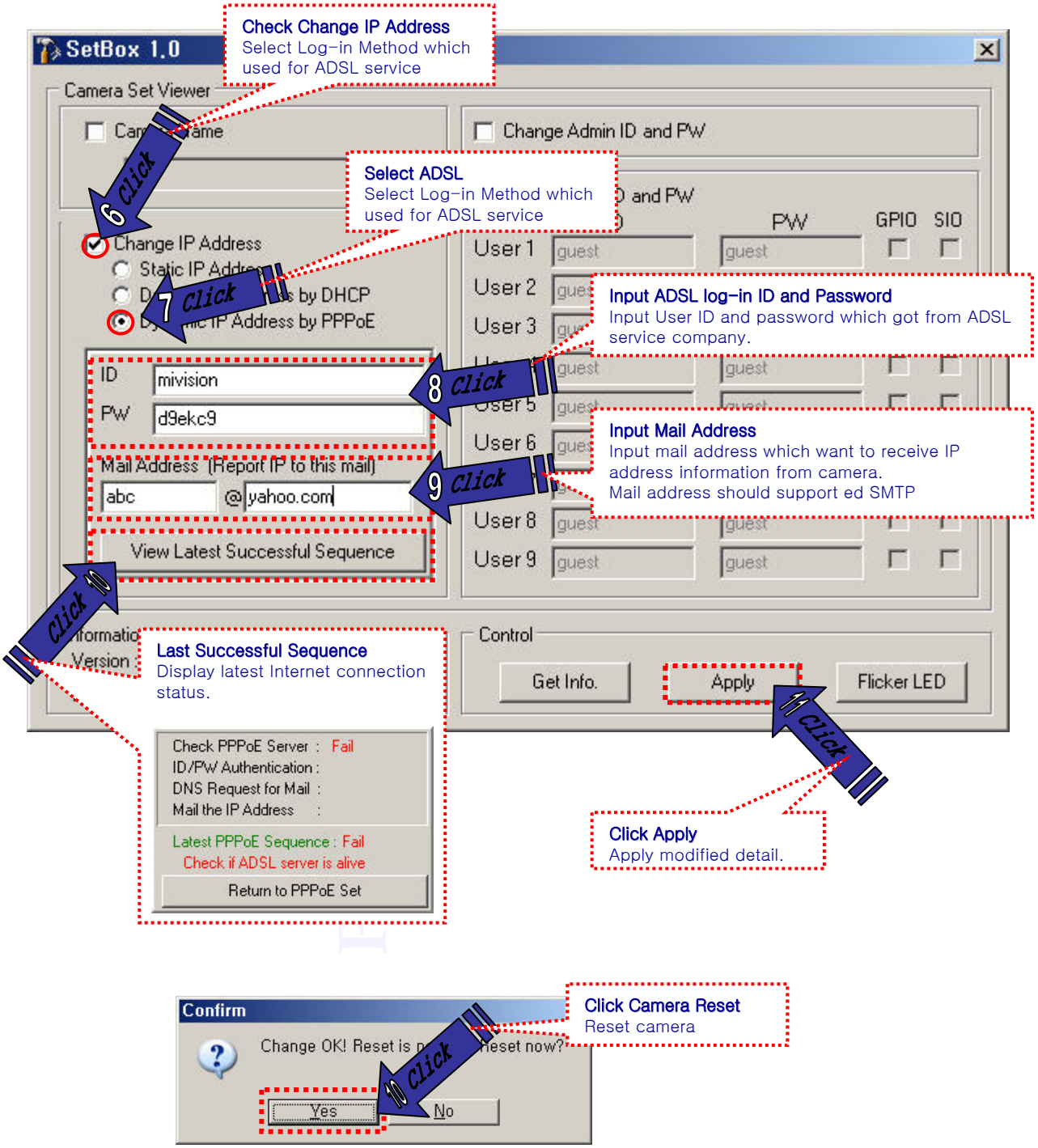
2) In order to connect to camera, refer to "connection to Net Cam & Net TX "

3) Using In case of direct connect to ADSL line with Net Cam & Net TX ,. Except this case, do not need setting.

Modify IP address and setting for Internal and external camera . (Already knew IP address)

Modify IP address and setting for Internal and external camera. (don't know IP address)





Notice

Switch ADSL / Ethernet : Select Internet connection method for internet connection.
@ ADSL : For ADSL service which can use internet with user log-in
@ Ethernet : For ADSL service which can use internet without user log-in. (ex, K.T. IP-xDSL service)

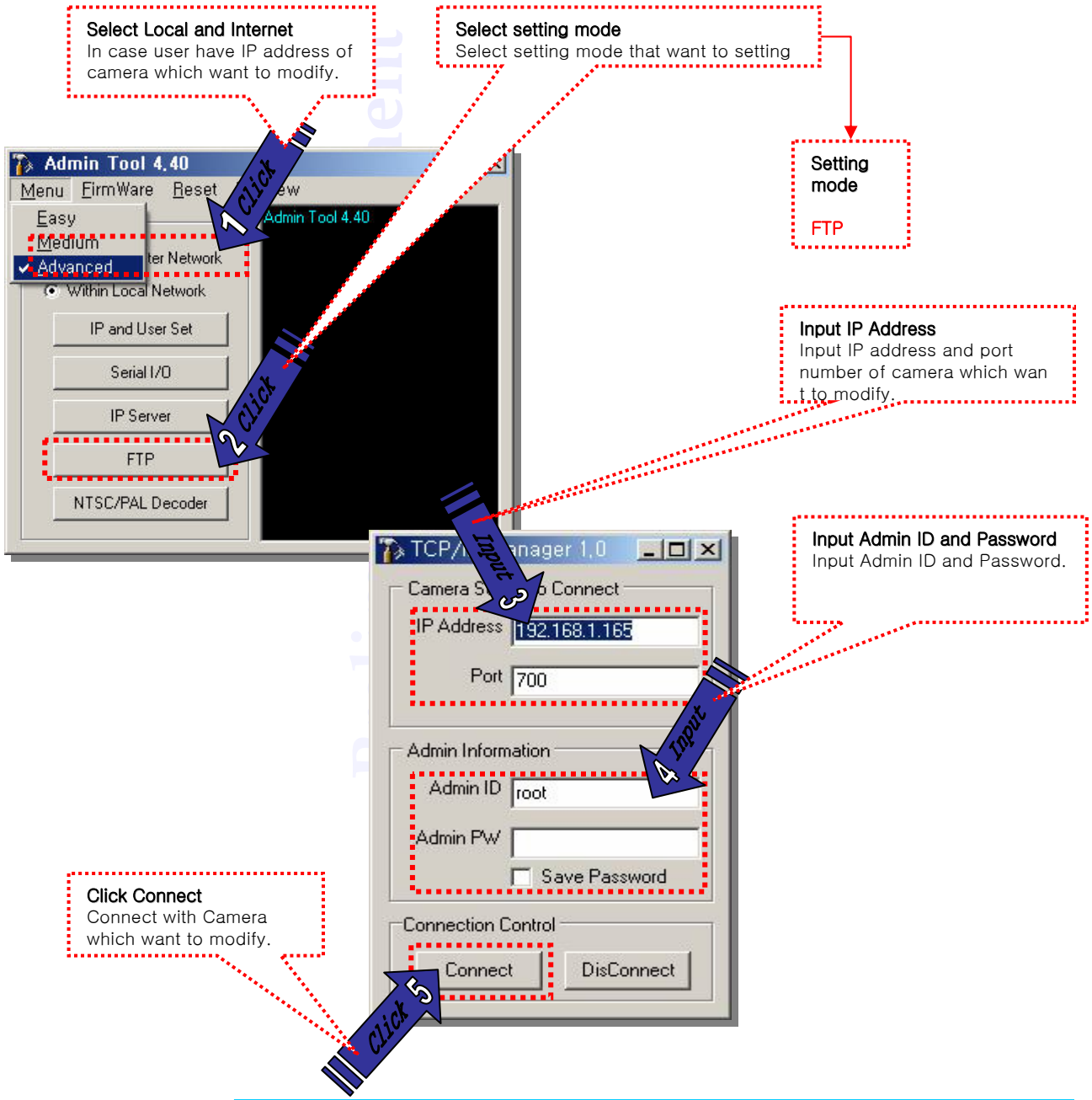
10. FTP setting – Set FTP server which upload video of Net Cam and Net TX.

1) Run " Admin_Tool4.40.exe "

2) For Camera Connection, refer to "Connection to Net Cam & Net TX"

In case of modify IP address and setting for Internal and external camera. (Have IP address)

In case of modify IP address and setting for Internal and external camera. (Have not IP address)

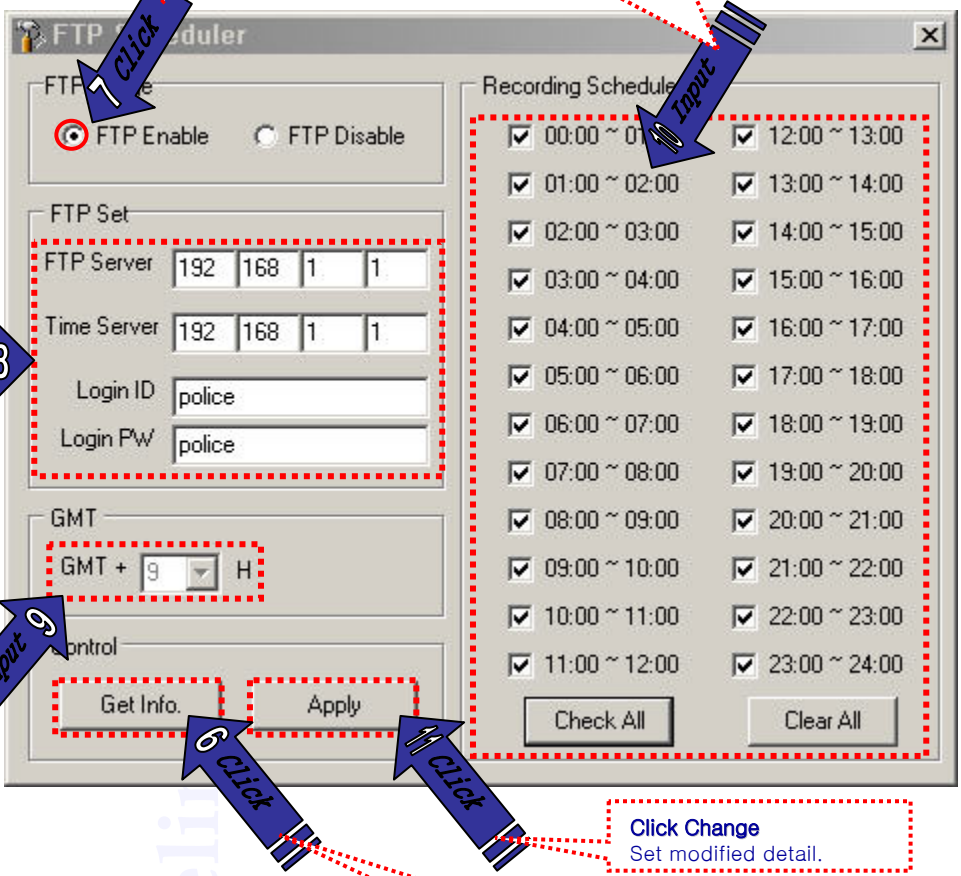


Setting FTP Usage
Setting enable/disable function of FTP.

FTP Enable : use FTP Function.
FTP Disable : not use FTP Function.

Recording Schedule
Setting recording schedule for FTP server

Check recording time period
Check All : select all time period.
Clear All : unselect all time period.



GMT
Setting Time difference

Click Change
Set modified detail.

FTP Setting
Setting address of FTP server and log-in.

FTP Server : Input IP address of FTP server
Time Server : Input IP address of Time Server
Login ID : Input user ID for connect of FTP server.
Login PW : Input user password for connect of FTP server.

Click Get Info.
Display camera setting status

Click Camera Reset
Reset Camera

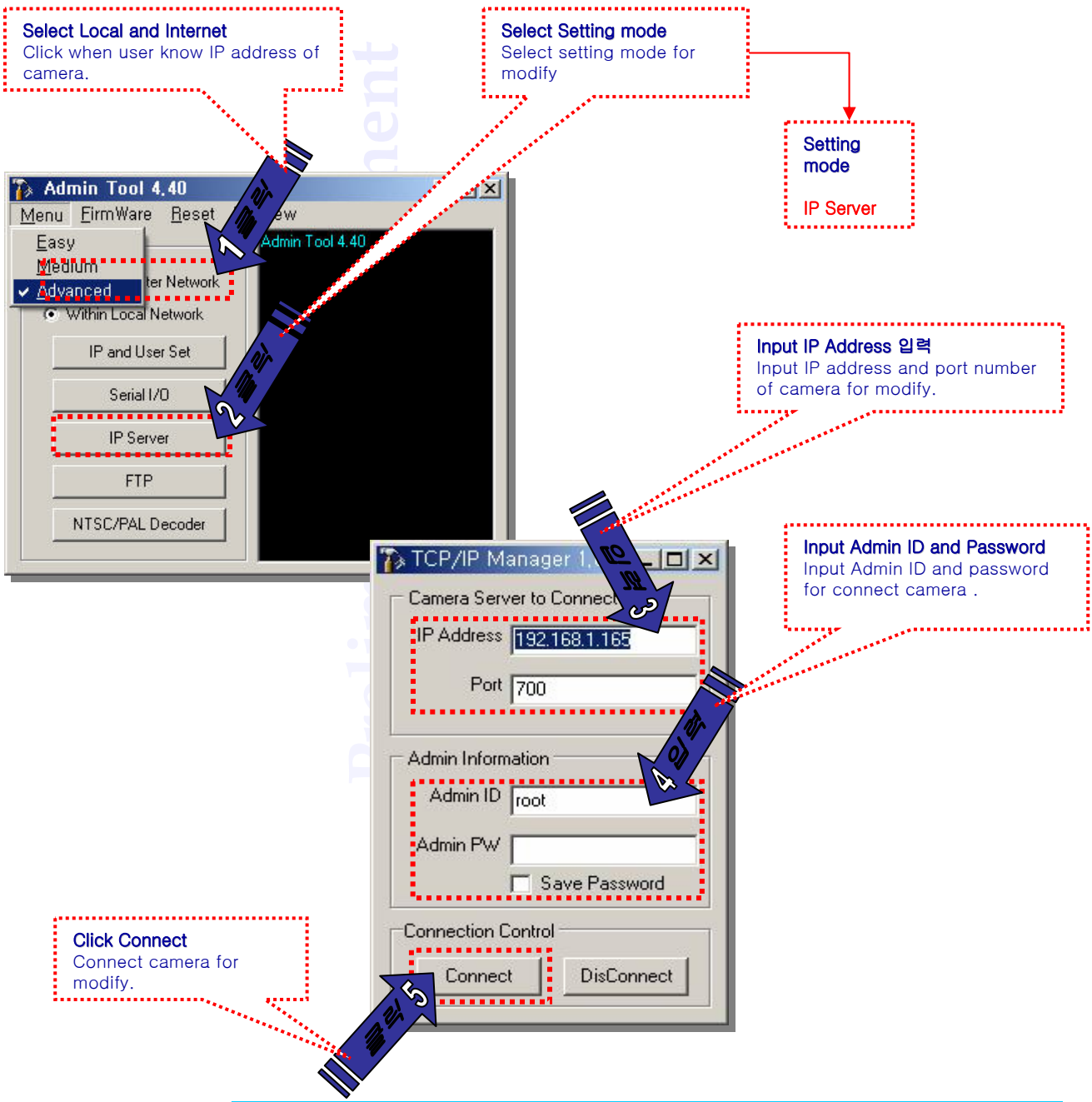
11. Setting IP Server – real-time transfer IP of Net Cam and Net TX to nominated computer.

1) Run " Admin_Tool4.40.exe ".

2) For connect with camera, please refer to "connection to Net Cam & Net TX".

Modify IP address and setting for Internal and external camera . (Already knew IP address)

Modify IP address and setting for Internal and external camera. (Have not IP address)

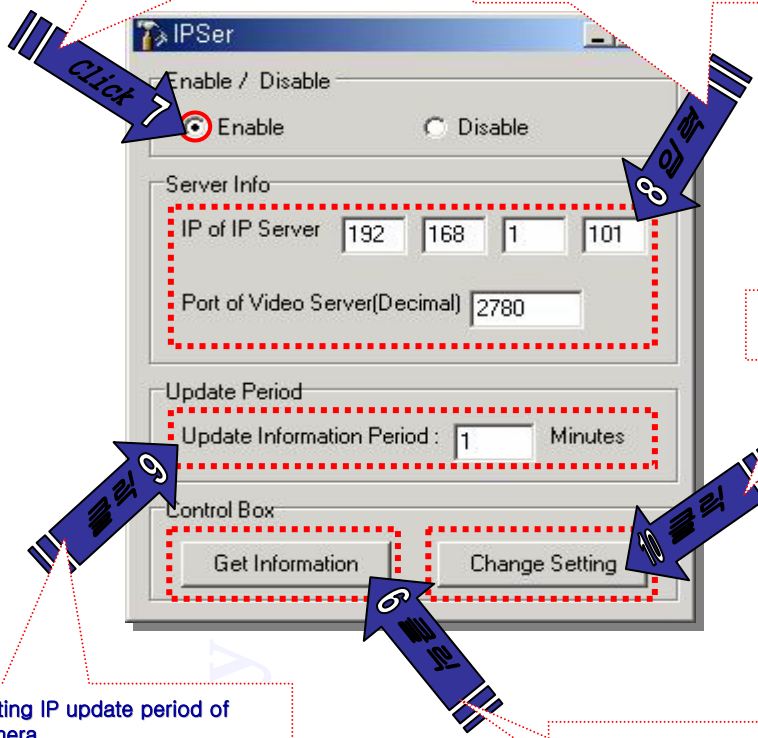


Select enable/disable of IP Server

Enable : enable IP Server function
Disable : disable IP Server function.

Setting IP Server

IP of IP Server : input IP address of IP Server. (IP address of server should fixed with static IP)
Port of Video Server [Decimal] : Input port number of IP Server



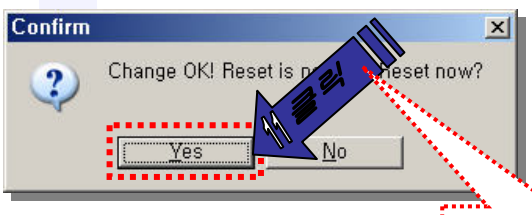
Click Change
Set modified details.

Setting IP update period of camera
Input update time period of IP information of camera for IP server .

Click Get Info.
Display existing camera setting information

Notice

IP server which receiving camera IP should fixed with Static IP.



Click Camera Reset
Reset camera

Explanation of application process for IP Server – ㅋSending camera IP information to IP server which already memorized to camera.

Net Cam Web Camera

Net TX Web Transmitter

3 Send user's dynamic IP address to IP server which memorized to camera

2 DHCP server allow dynamic IP to web camera .

INTERNET

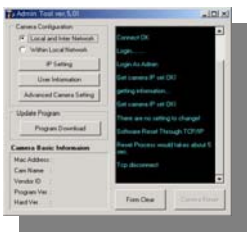
DHCP Server

Set camera to dynamic IP and connect to internet

4 Connect web camera by use of IP Information Which got from web camera

IP Server

1 Set camera to dynamic IP



Admin_Tool4.40

WMC

WM16CH

12. Upgrade firmware of Net Cam & Net TX

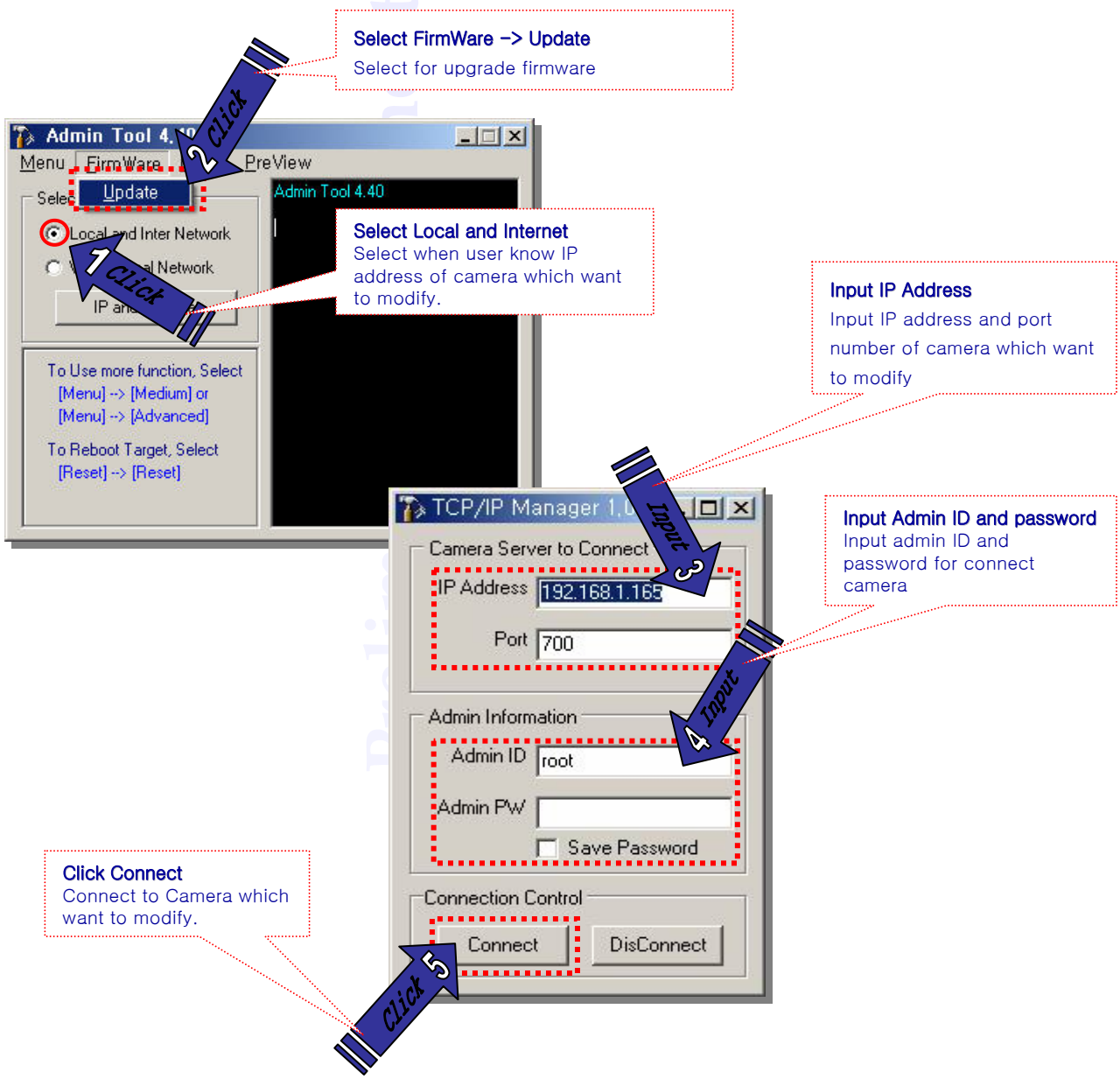
- Upgrade firmware of Net Cam & Net TX.

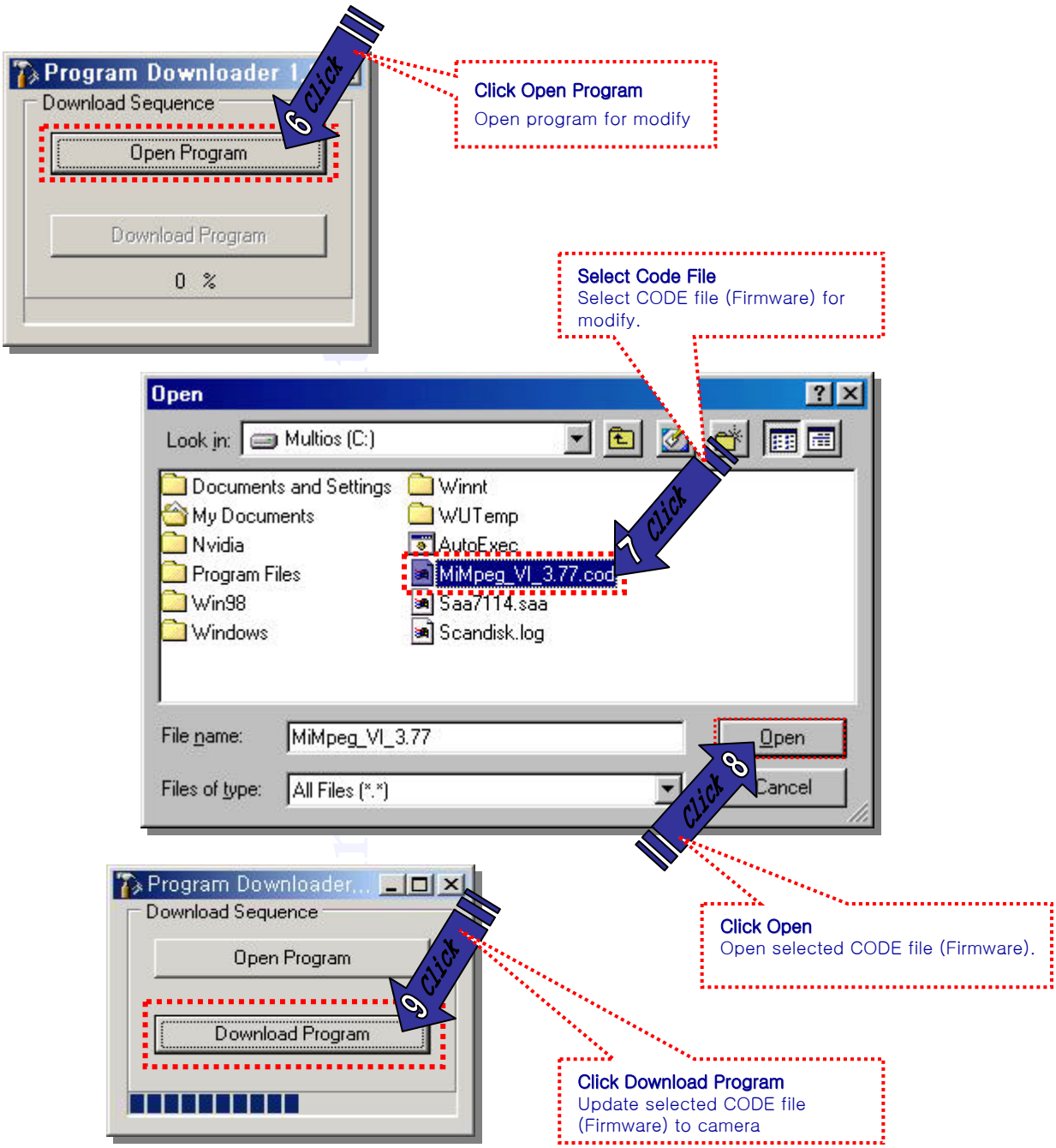
1) Run " Admin_Tool4.40.exe "

2) For connect to Camera, please refer to "connection to Net Cam & Net TX".

Modify IP address and setting for Internal and external camera. (Have IP address)

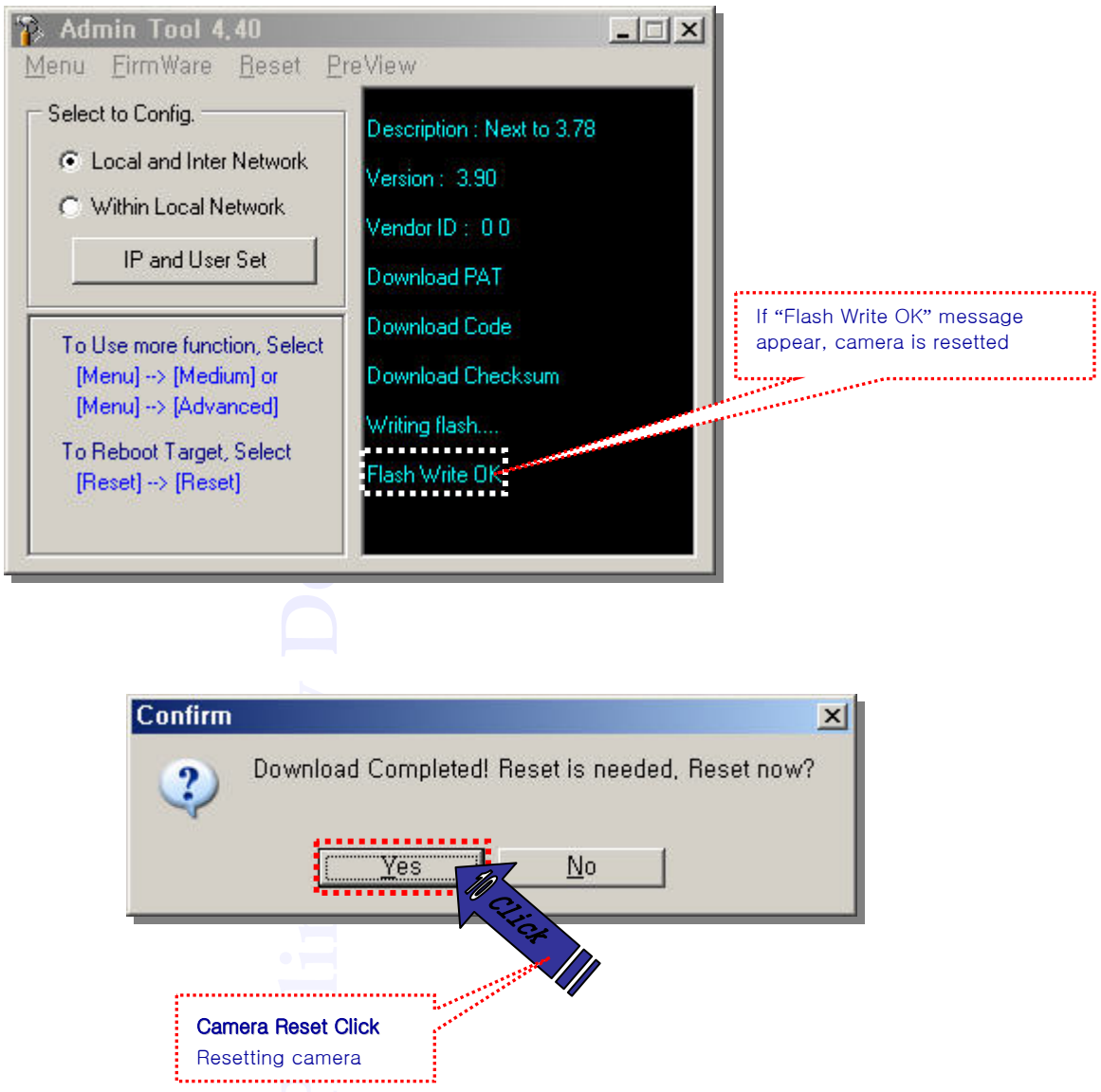
Modify IP address and setting for Internal and external camera. (Have not IP address)





Notice

* Do not turn off Power during upgrading of Firmware.
  - If power blocked under upgrading, it caused serious damage for equipment



Notice

If connection status window display " End Program Download Sequence " message, user should reset.